No. RA bill Original/Duplicate/Triplicate **CONTRACTOR'S CERTIFICATE** (For Other Works)

Division: Electrical (Dasarahalli) Sub Division: Electricals

Head of Account: P0300 M & R to street lights Replacement of burnt bulbs etc

Bill Received On: Dated: Book Voucher No: Dated:

Schedule/ Docket/ Name of Work: Annual Maintenance of street lights package 17 & 18 in T Dasarahalli ward no 15

Bill Period:01.07.2024 to 31.07.2024(1 Month)

Name of Contractor and Full Address: M/s PRABHAKARA ELECTRICALS

Reference to Agreement No: EE/Ele/DZ/DSRH/AG/0000143/2024-25 Date:16.05.2024

Reference to Work order No: EE/Ele/DZ/DSRH/WO/0000005/2024-25 Date:04.04.2024

Reference to Supplementary Agreement No: EE/Ele/DZ/DSRH/SAG/25/2024-25 Date:24.05.2024

Reference to Supplementary Work order No: EE/Ele/DZ/DSRH/SWO/31/2024-25 Date:24.05.2024

Reference to Supplementary Agreement No: EE/Ele/DZ/DSRH/SAG/II/05/2024-25 Date:15.05.2024

Reference to Supplementary Work order No: EE/Ele/DZ/DSRH/SWO/II/05/2024-25 Date:15.05.2024

Certified that the measurements were taken by me on 10/8/24 and recorded at Pages 68/326 to 68/343 of measurement Book No. 6842 And that the work is satisfactorily executed

Contractor

Officer in charge of the Work
Assistant Engineer (Ele)
Bruhat Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

Certified that the measurement were taken by me on 10/8/24 and found correct. The work has been satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been supplied for the work and the contractor has not previously received any advance on this security. These materials are of such a nature and are all required for immediate use on the work in connection with items for finished work now been executed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment — Sub Division Officer

Assistant Executive Engineer (Ele)
Bruhat Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

1)	Total value of work done or supplies made as per Measurement Book	Bill up to date	54,74,[illegible]
2)	Deduct amount to be held in reserve	Less Previous bill	46,46,[illegible]
3)	"	Present Bill	8,28,[illegible]
4)	Deduct Payment.	Less Sc/ST + Tax	
	a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....SD No..... towards cash advance recovery of	Amount adjusted For Deduction (bill amount)	2,[illegible] 8,25,[illegible]
	b. Payments now made: Cost store or other material supplied; recovery of amount creditable to this/other work	FI : 8256; CC/SI: 8256; SC/ST: 8256; LWC : 8256; CBC : 825	
	Amount paid on this bill Cheque / Cash.		
5)	Balance being unpaid value of work done held in reserve.		
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments. Total Deductions		46,527
7)	Net amount due to or from Contractor	on adjustments paper.	
8)	Advance to Contractor for materials brought to site (as detailed) within Value of Conveyance materials supplied.	Total amount Payable Total amount adjusted	7,91,959

Contractor's Signature

Received Rs..... (in words).....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (Five lakh ninety one thousand nine hundred fifty nine only)

Witness
1.
2

Dated Signature of Contractor

Stamp

Paid by me by Cheque No ..... Dated.....

Cash Rs .....

Dated..... Initials of Officer making payment

Audited and admitted for Rs. 8,28,486

Passed by Cheque for Rs. 7,91,959

Cheque No. [illegible] dated [illegible]

Received Rs. [illegible] by cash

by adjustment Rs. [illegible]

Executive Engineer (Ele)

Accounts Superintendent

B.B.M.P. Dasarahalli

Sl. No.	Description of item	Unit
	Name of work:-Annual Maintanance of street lights package D-5 in T. Dasarahalli ward no 15	
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Each
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system.	Each
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system.	Each
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system.	Each
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system.	Each
8	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system	Each
9	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system.	Each
10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.300mmx450mmx214mm	Each

Previous Measurement		Present Measurement				Total Upto Date		Remarks
Qty.	Cost	Qty.		Rate Rs. P.	Amount	Qty	Cost	
					1 Month	Upto Date paid so for X 28 months		
30X27Months	8568.00	0	685.45/12=57.12	57.12	0.00	30X28 Months	8568.00	
12X27Months	20418.48	12	756.29/12=63.02	63.02	756.24	12X28 Months	21174.72	
851X27Months	1951896.15	851	1019.41/12=84.95	84.95	72292.45	851X28 Months	2024188.60	
36X27Months	90561.24	36	1118.08/12=93.17	93.17	3354.12	36X28Months	93915.36	
473X27Months	936497.43	473	880.01/12=73.33	73.33	34685.09	473X28Months	971182.52	
49X27Months	126492.03	49	1147.43/12=95.61	95.61	4684.89	49X28Months	131176.92	
27X27Months	83696.49	27	1377.66/12=114.81	114.81	3099.87	27X28Months	86796.36	
0	0.00	0	0	0	0.00	0	0.00	
0	0.00	0	0	0	0.00	0	0.00	
20	102540	10	0	5127.00	51270.00	30	153810.00	

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11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each	
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898,58-63 Amps SP	Each	
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	
14	Wiring for lighting /power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments.6 sqmm	Mtr	
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.6 sqmm	Mtr	
16	1.1 KV LT Aerial Bunched Cable, Cables Having to IS-14255 1995 XLPE insulation Parameter shall be as below 1. Hot Set Test: a) Elongation under Load: 50% (Max) b) Permanent Elongation After Cooling: 5% (Max) 2. Thermal Aging in oven: a) Tensile Strength: 16 N/mm^2 (Min) b) Elongation: 375% (Min) 3. Water Absorption Test: a) Water absorbed: 0.5 mg/cm^2 (Max) 4. Carbon Black Content shall be ranging from 2% to 3% 3x25 + 1x25 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral)	Km	
17	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control)	Km	
18	Supplying of 1.1 kV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1. Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtrs	
19	Labour charges for laying of 1.1 kV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm	Mtrs	
	Sub Total		
	Add GST 18%		
	Total		
	Add GST18% on item no10 to 19		
	Fine imposed for non burning of street lights For the period of 01.07.2024 to 31.07.2024 and GPS time violation Penalty for the present bill		
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material		
	GRAND TOTAL		

Certificate

1 The above said monthly maintenance work has been carriedout satisfactorily

2 The Amount Claimed in this Bill has not been claimed in any of the previous bill

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore.

44	316800	22	0	7200.00	158400.00	66	475200.00
48	34704	24	0	723.00	17352.00	72	52056.00
48	193440	24	0	4030.00	96720.00	72	290160.00
18	1260	10	0	70.00	700.00	28	1960.00
172	1204	100	0	7.00	700.00	272	1904.00
2.75	404250	1.4	0	147000.00	205800.00	4.15	610050.00
2.75	61790	1.4	0	22469.06	31456.60	4.15	93246.35
370	55500	195	0	150.00	29250.00	565	84750.00
370	11100	195	0	30.00	5850.00	565	16950.00
	4186746.78				118972.66		4888853.32
ADD 6%	459457.32	-12%		14254.72	104607.94	ADD 6%	585836.49
	4646204.10	18%		18829.43	123437.37		5474689.82
		18%	107549.75	597498.60	705048.35		
					828485.72		
	34100.00				200.00		34300.00
	65732.01				2468.75		68200.76
	4546372.09				825816.97		5372189.06

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